113
171
192
197
825

Tupi-Guarani SL6
Bacairi SP7
Arawakan Indians SR6
Cariban Indians SR7
Carib SR9
Macusi SR11
Rucuyen SR12
Cumana SS9

/For information on the terminologies and nomenclatures in the native vernacular applied by the Carib-speaking and some other northern South American tribes to various species of mammalian fauna in their habitats, see Si Simpson, SS16 Pemon, Category 116, particularly pp. 4A-10B./

1: Gillin E-5 (1932-33)1936 SR9 Carib SR9

411 string (binding, epu miotopo). For feathering the arrow (puliwa
284 epawriri) the wing feathers of the powis (*Crax sp.*) are used. Two
824 feathers are employed for each arrow, one for each side. The two
[237] feathers are laid on the ground side by side and the spines cut away from the central rib of each feather on the interior side, so that the two "half-feathers" remaining complement each other. The central ribs are not split. The two feathers are then bound on opposite sides of the shaft with their long axes parallel to the long axis of the shaft, so that when viewed broadside both present the same surfaces of the original feathers. Fine kraua twine or cotton yarn is used for binding, cotton being preferable; each feather is bound to the shaft in five places, (feather binding, epawriri miotopo). The knock (yesendano) is made of wawkonse wood and is set into the split end of the shaft which is bound about with cotton thread (knock binding, ityo miotopo).[1]

[381] On those arrows which have removable or harpoon heads, the recovery cord is fastened to the head by kraua binding and a glue made of mani gum (*Moronobea coccinea Aubl.*). The recovery cord is called towoto poyamoti.

411 To straighten the shaft of an arrow, it is held over fire and bent into shape with the hand without the help of other apparatus.

The arrow release is between the thumb and first joint of the first finger (Plate 4, *a*). The arrow shaft is always held on the left side of the bow between the second and third fingers of the left hand.

A bow is between four and six feet long (Plates 4, *b* and 5, *a*), and the arrows are usually of approximately the same length. The feathered part of the shaft is four to five inches long and the head of the arrow ranges between six and twelve inches. Figure 2 shows the more common types of arrow heads.

The aranseta (Fig. 2, *a*) is a plain laurel-leaf point.

411 The rapa (Fig. 2, *b*) is used for hunting hog and is provided with
224 a transverse peg of wood at the base of its leaf-shaped point. This peg serves as a stop so that the arrow immediately comes out after the quarry is hit and is not broken while the hog thrashes about in the underbrush.

The takoshi (Fig. 2, *c*) is provided with one deep barb on one

113 [1] For South American distribution of this method of strengthening the arrow-butt, see Nordenskiöld, 1924, *The Ethnography of South America seen from Mojos in Bolivia.*

1: Gillin E-5 (1932-33)1936 SR9 Carib SR9

BIBLIOGRAPHY

P271
P. 270 is Blank

113

AHLBRINCK, W.

1924. *Carib Life and Nature.* Proceedings of the International Congress of Americanists, 21st session, Part 1, pp. 217–225. The Hague, 1924.

BEEBE, C. W. and M. L.

1911. *Our Search for a Wilderness.* New York, 1911.

BEEBE, W., HARTLY, G. I., and HOWES, P. G.

1917. *Tropical Wild Life in British Guiana.* (See particularly Chapter 35, "Indian Charms," by James Rodway.) New York, 1917.

BRETON, R.

1877. *Grammaire Caraibe.* Paris, 1877.

BRETT, W. H.

1880. *Legends and Myths of the Aboriginal Indians of British Guiana.* London, 1880.

BRINTON, D. G.

1891. *The American Race.* New York, 1891.

British Guiana Census Report for 1931
(C. H. Norton, Commissioner of the Census.) Georgetown, 1932.

BROWN, C. B.

1877. *Canoe and Camp Life in British Guiana.* London, 1877.

Colony of British Guiana Blue Book
Georgetown, 1931.

FARABEE, W. C.

1918. *The Central Arawaks.* Anthropological Publications of the University Museum, vol. 9. Philadelphia, 1918.

1924. *The Central Caribs.* Anthropological Publications of the University Museum, vol. 10. Philadelphia, 1924.

GORIJE, C. H. DE

1924. *Guayana and Carib Tribal Names.* Proceedings of the International Congress of Americanists, 21st session, Part 1, pp. 212–216. The Hague, 1924.

1: Gillin E-5 (1932-33)1936 SR9 Carib SR9

113

GUMILLA, J.
1791. *Historia natura, civil y geografica de las naciones situadas en las riveras del Rio Orinoco*, 2 vols. Barcelona, 1791.

Handbook of British Guiana
Georgetown, 1924.

IM THURN, E. F.
1883. *Among the Indians of Guiana.* London, 1883.

KIRCHOFF, P.
1932. *Verwandtschaftsbezeichnungen und Verwandtenheirat.* Zeitschrift für Ethnologie, vol. 64, pp. 41–71. Berlin, 1932.
1932, a. *Die Verwandtschaftsorganisation der Urwaldstämme Südamerikas.* Zeitschrift für Ethnologie, vol. 63, pp. 85–193. Berlin, 1932.

KROEBER, A. L.
1909. *Classificatory Systems of Relationship.* Journal of the Royal Anthropological Institute of Great Britain and Ireland, vol. 39, pp. 77–84. London, 1909.

LA BORDE, PERE DE
1886. *History of the Origin, Customs, Religion, Wars, and Travels of the Caribs.* Translated by G. J. A. Bosch-Reitz. Timehri, vol. 5, pp. 224–254. Georgetown, 1886.

LOWIE, R. H.
1919. *Family and Sib.* American Anthropoligist, n.s. vol. 21, pp. 28–40. Lancaster, Pennsylvania, 1919.
1920. *Primitive Society.* New York, 1920.

MARTIN, R.
1928. *Lehrbuch der Anthropologie in Systematischer Darstellung.* Jena, 1928.

NORDENSKIÖLD, E.
1924. *The Ethnography of South America seen from Mojos in Bolivia.* Göteborg, 1924.
1930. *Modifications of Indian Culture through Inventions and Loans.* Göteborg, 1930.

RADCLIFFE-BROWN, A. R.
1930–31. *The Social Organization of Australian Tribes.* Oceania, vol. 1. Melbourne, 1930–31.

ROCHEFORTE, C. DE
1658. *Histoire naturelle et morale des Iles Antilles de l'Amerique.* Rotterdam, 1658.

1: Gillin E-5 (1932-33) 1936 SR9 Carib SR9

RODWAY, J.

1899. *Domestic Medicines of British Guiana.* Timehri, vol. 2, p. 294. Georgetown, 1899.

1917. See Beebe, W., Hartly, G. I., and Howes, P. G., 1917.

1904. *The River Names of British Guiana.* Bulletin of the American Geographical Society, vol. 36, pp. 396–402. New York, 1904.

1922. *Forest People of British Guiana.* Timehri, vol. 34, pp. 211–216. Georgetown, 1922.

ROSNY, L. DE

1884. *De la mort et des funérailles chez les anciens Caraïbes.* Archives de la Société Américaine de France, n.s., vol. 3, pp. 268–278. Paris, 1884.

ROTH, W. E.

1909–12. *Some Technological Notes from the Pomeroon District, British Guiana.* Journal of the Royal Anthropological Institute of Great Britain and Ireland: vol. 39, pp. 26–34; vol. 40, pp. 23–38; vol. 41, pp. 72–82; vol. 42, pp. 529–540. London, 1909–12.

1915. *An Inquiry into the Animism and Folk-lore of the Guiana Indians.* 30th Annual Report of the Bureau of American Ethnology. Washington, 1915.

1924. *An Introductory Study of the Arts, Crafts, and Customs of the Guiana Indians.* 38th Annual Report of the Bureau of American Ethnology. Washington, 1924.

1929. *Additional Studies of the Arts, Crafts, and Customs of the Guiana Indians.* Bulletin 91, Bureau of American Ethnology. Washington, 1929.

ROTH, W. VINCENT.

1932–33. *Morawhanna Memories.* Georgetown Sunday Chronicle. Georgetown, 1932–33.

SAPIR, E.

1916. *Terms of Relationship and the Levirate.* American Anthropologist, n.s., vol. 18, pp. 327–337. Lancaster, Pennsylvania, 1916.

SCHOMBURGK, RICHARD.

1922–23. *Travels in British Guiana.* Translated by W. E. Roth. 2 vols. Georgetown, 1922–23.

SCHOMBURGK, ROBERT H.

1842. *Expedition to the Lower Parts of the Barima and Guiana Rivers.* Journal of the Royal Geographical Society, vol. 12, pp. 169–172. London, 1842.

J: GHHa E-5 (1932-33)1936 SR9 Carib SR9

• 113

TIMEHRI

1882 The Journal of the Royal Agricultural and Commercial Society of British Guiana, vols. I-. Georgetown, 1882-.

VAN PANHUYS, L. C.

1913. *A Few Observations on Carib Numerals.* Proceedings of International Congress of Americanists, 18th session, pp. 109-110. London, 1913.

VERRILL, A. H.

1917. *Tribal Relationship of the Akawaios.* Timehri, June, 1917, pp. 107-116. Georgetown, 1917.

1918. *Prehistoric Mounds of the Northwest District.* Timehri, vol. 5, 3rd series, p. 11 ff. Georgetown, 1918.

WATERTON, C.

1879. *Wanderings in South America.* Edited by J. G. Wood. London, 1879.

2: Adams E-4,5 (1970-1971) 1973 SR9 Carib SR9
(1932-1971) Barama River

REFERENCES CITED

• 113 Alland, Alexander, Jr.
1967 Evolution and Human Behavior. New York: Natural History Press.
1970 Adaptation in Cultural Evolution: An Approach to Medical Anthropology. New York: Columbia University Press.

Alland, Alexander, Jr., J. B. Birdsell, E. Deevey, Jr., C. L. Isaac, C. M. Turnbull, S. L. Washburn, B. J. Williams, and J. Woodburn
1968 Population Control Factors: Infanticide, Disease, Nutrition, and Food Supply. In Man the Hunter. Richard B. Lee and Irven DeVore, eds. Chicago: Aldine. pp. 243-245.

Amerindian Lands Commission
1969 Report by the Amerindian Lands Commission. Georgetown.

Banks, E. P.
1956 A Carib Village in Dominica. Social and Economic Studies 5:74-86.

Bennett, John W.
1969 Northern Plainsmen: Adaptive Strategy and Agrarian Life. Chicago: Aldine.

Birdsell, J. B.
1953 Some Environmental and Cultural Factors Influencing the Structuring of Australian Aboriginal Populations. American Naturalist 87:169-207.

Bishop, D. W.
1941 The Geology and Geography of the Tovakaima Region, Upper Barama Valley, North West District. Georgetown: Geological Survey of British Guiana. Bulletin No. 16 - 1937-1938.

Chagnon, Napoleon A.
1968 Yanomamö: The Fierce People. New York: Holt, Rinehart & Winston.

Conklin, Harold C.
1954 An Ethnoecological Approach to Shifting Agriculture. Transactions of the New York Academy of Sciences(2nd ser.)17:133-142.

Firth, Raymond
1959 Social Change in Tikopia. London: George Allen and Unwin.

2: Adams E-4,5 (1970-1971) 1973 SR9 Carib SR9
(1932-1971) Barama River

113 Geertz, Clifford
1963 Agricultural Involution: The Process of Ecological Change in Indonesia. Berkeley: University of California Press.

Gillin, John
1934 Crime and Punishment Among the Barama River Caribs of British Guiana. American Anthropologist 36:331-344.
1936 The Barama River Caribs of British Guiana. Papers of the Peabody Museum 14.
1948 Tribes of the Guianas and the Left Amazon Tributaries. In Handbook of South American Indians. J. H. Steward, ed. Smithsonian Institution, Bureau of American Ethnology Bulletin 143, 3:799-860.

Hanks, Lucien M.
1972 Rice and Man: Agricultural Ecology in Southeast Asia. Chicago: Aldine.

Harris, Marvin
1968 The Rise of Anthropological Theory: A History of Theories of Culture. New York: Thomas Y. Crowell Co.

Hinshaw, Robert, F. Pyeatt, and J. Habicht
1972 Environmental Effects on Child-spacing and Population Increase in Highland Guatemala. Current Anthropology 13:216-230.

King, K. F. S.
1968 Land and People in Guyana. University of Oxford: Commonwealth Forestry Institute Paper 39.

Kloos, Peter
1971 The Maroni River Caribs of Surinam. Assen: Van Gorcum & Co.

Love, Jean Carter
1966 A Formal Analysis of Preferential Marriage with the Sister's Daughter. Man (n.s.) 1:185-200.

Lee, Richard B.
1969 !Kung Bushman Subsistence: An Input-Output Analysis. In Ecological Essays: Proceedings of the Conference on Cultural Ecology, National Museum of Canada, 1966. David Damas, ed. Ottawa: National Museum of Canada Bulletin 230. pp. 73-94.

Leeds, A.
1965 Reindeer Herding and Chukchi Social Institutions. In Man, Culture, and Animals: The Role of Animals in Human Ecological Adjustments. A. Leeds and A. Vayda, eds. Washington: American Association for the Advancement of Science Publication 78. pp. 87-128.

2: Adams E-4,5 (1970-1971) 1973 SR9 Carib SR9
(1932-1971) Barama River

• 113 Lewis, Oscar
1951 Life in a Mexican Village: Tepoztlan Restudied. Urbana: University of Illinois Press.

Lorimer, Frank, ed.
1954 Culture and Human Fertility: A Study of the Relation of Cultural Conditions to Fertility in Nonindustrial and Traditional Societies. Paris: UNESCO.

Murphy, Robert and J. Steward
1955 Tappers and Trappers: Parallel Process in Acculturation. Economic Development and Cultural Change 4:335-355.

Meggers, Betty J.
1971 Amazonia: Man and Culture in a Counterfeit Paradise. Chicago: Aldine.

Nag, Moni
1962 Factors Affecting Human Fertility in Nonindustrial Societies: A Cross-Cultural Study. Yale University Publications in Anthropology 66. New Haven: Yale University Press.

Netting, Robert McC.
1968 Hill Farmers of Nigeria: Cultural Ecology of the Kofyar of the Jos Plateau. Seattle: University of Washington Press.

Peberty, P. Storer
1948 Report of a Survey of Amerindian Affairs in the Remote Interior. London: Colonial Development and Welfare Scheme D. 246.

Polgar, Steven
1972 Population History and Population Policies from an Anthropological Perspective. Current Anthropology 13:216-230.

Population Census Division of the Central Statistical Office
British Guiana: Population Census 1960. Vol. I-III. Port of Spain, Trinidad.

Rappaport, Roy A.
1968 Pigs for the Ancestors: Ritual in the Ecology of a New Guinea People. New Haven: Yale University Press.
1969 Some Suggestions Concerning Concept and Method in Ecological Anthropology. In Ecological Essays: Proceedings of the Conference on Cultural Ecology, National Museum of Canada, 1966. David Damas, ed. Ottawa: National Museum of Canada Bulletin 230:184-188.

Redfield, Robert
1950 A Village That Chose Progress, Chan Kom Revisited. Chicago: University of Chicago Press.

2: Adams E-4,5 (1970-1971) 1973 SR9 Carib SR9
(1932-1971) Barama River

• 113 Rivière, Peter
1966 A Note on Marriage with the Sister's Daughter. Man (n.s.) 1:550-556.
1969 Marriage Among the Trio: A Principle of Social Organization. Oxford: Clarendon Press.

Roth, Walter E.
1915 An Inquiry into the Animism and Folklore of the Guiana Indians. Washington: 30th Annual Report of the Bureau of American Ethnology, 1908-1909.
1924 An Introductory Study of the Arts, Crafts, and Customs of the Guiana Indians. Washington: 38th Annual Report of the American Bureau of Ethnology, 1916-17.

Rouse, Irving
1948 The Carib. In Handbook of South American Indians. J. H. Steward, ed. Smithsonian Institution, Bureau of American Ethnology Bulletin 143, 4:547-565.

Sahlins, Marshal D.
1965 On the Sociology of Primitive Exchange. In [redacted]levance of Models for Social Anthropology. A.S.A. Monographs 1. London: Tavistock. pp. 139-236.

Schomburgk, Richard
1848 Travels in British Guiana During the Years 1840-1844. Leipzig: J. J. Weber. (Translated by W. E. Roth, 1922-23)

Schwerin, Karl H.
1966 Oil and Steel: Process of Karinya Culture Change in Response to Industrial Development. Latin American Studies, Vol. 4. Los Angeles: University of California Latin American Center.

Smith, Douglas
1969 The Origins of Porknocking in Guyana. Centre for Developing-Area Studies, Occasional Paper Series, No. 5. Montreal: McGill University. pp. 81-92.

Solien de González, Nancy
1964 Lactation and Pregnancy: A Hypothesis. American Anthropologist 66:873-878.

Spiegelman, Mortimer
1968 Introduction to Demography. Cambridge: Harvard University Press.

Steward, Julian H.
1938 Basin-Plateau Aboriginal Sociopolitical Groups. Washington: Bureau of American Ethnology Bulletin 120.

2: Adams E-4,5 (1970-1971) 1973 SR9 Carib SR9
(1932-1971) Barama River

• 113 Stott, D. H.
1962 Cultural and Natural Checks on Population-Growth. In Culture and the Evolution of Man. M. F. Ashley Montagu, ed. New York: Oxford University Press. pp. 355-376.

Taylor, Douglas
1938 The Caribs of Dominica. Washington: Bureau of American Ethnology Bulletin 119:103-189.
1946 Kinship and Social Structure of the Island Carib. Southwestern Journal of Anthropology 2:180-212.
1953 A Note on Marriage and Kinship among the Island Carib. Man 53:117-119.

Vayda, Andrew
1961 Expansion and Warfare among Swidden Agriculturalists. American Anthropologist 63:346-358.

Vayda, Andrew P. and R. A. Rappaport
1968 Ecology: Cultural and Non-cultural. In Introduction to Cultural Anthropology. James A. Clifton, ed. Boston: Houghton Mifflin. pp. 477-497.

Vogt, E. Z.
1960 On the Concepts of Structure and Process in Cultural Anthropology. American Anthropologist 62:18-33.

Wagley, Charles
1951 Cultural Influences on Population: A Comparison of Two Tupi Tribes. Revista do Museu Paulista (n.s.) 5:95-104.